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## Adeno-X.NGN3

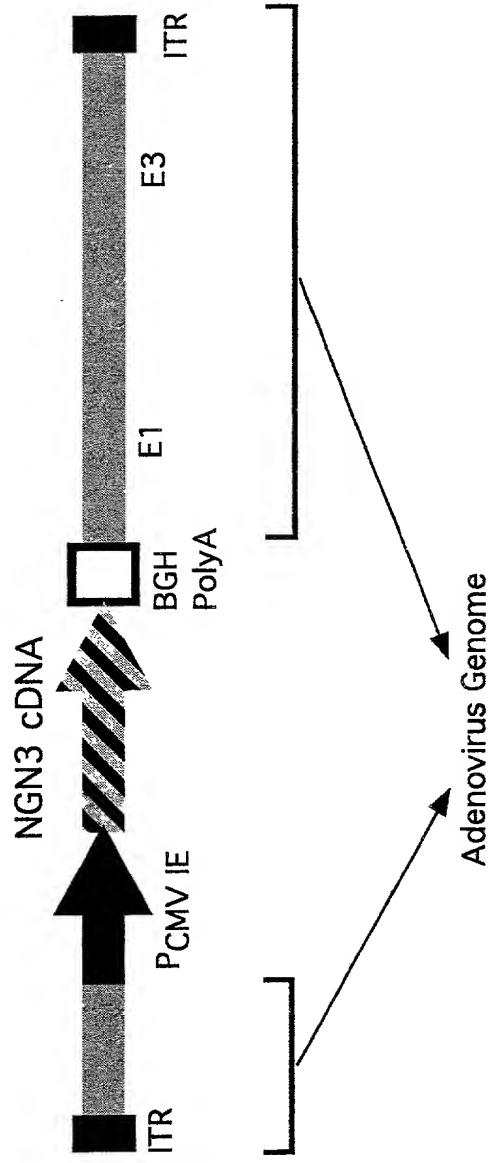
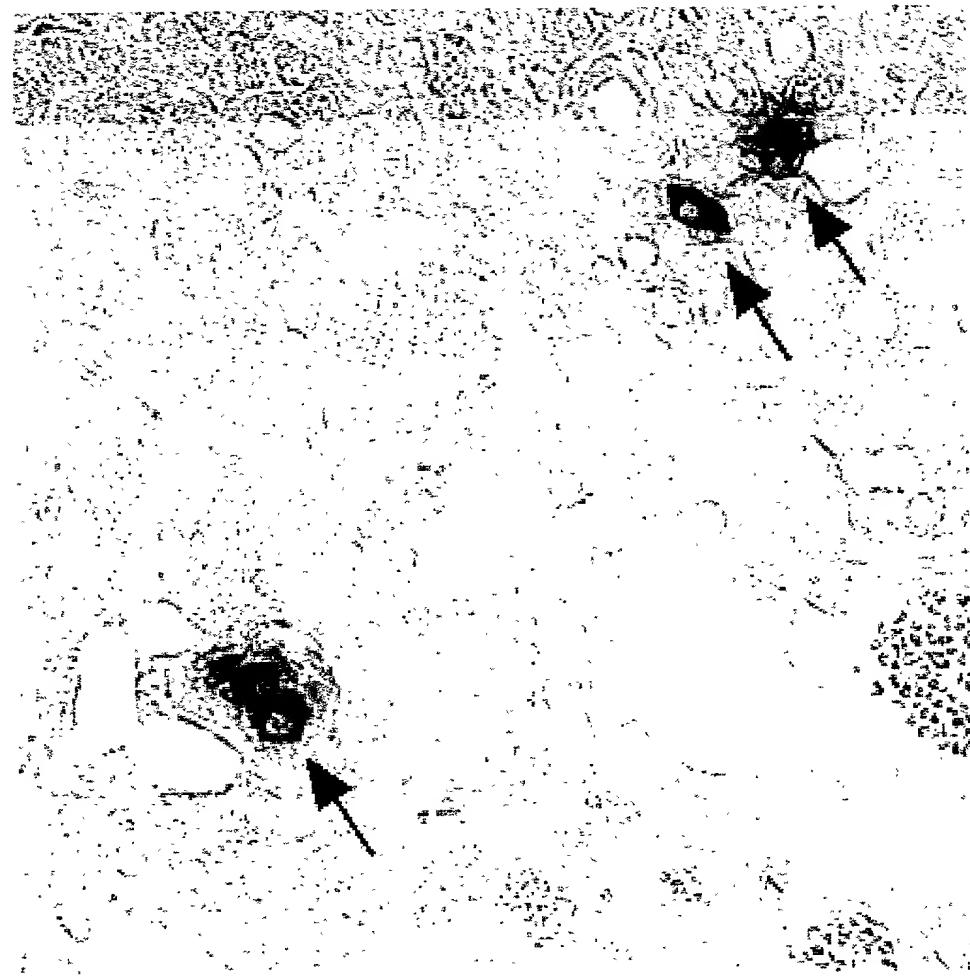


FIG. 1



**FIG. 2A**

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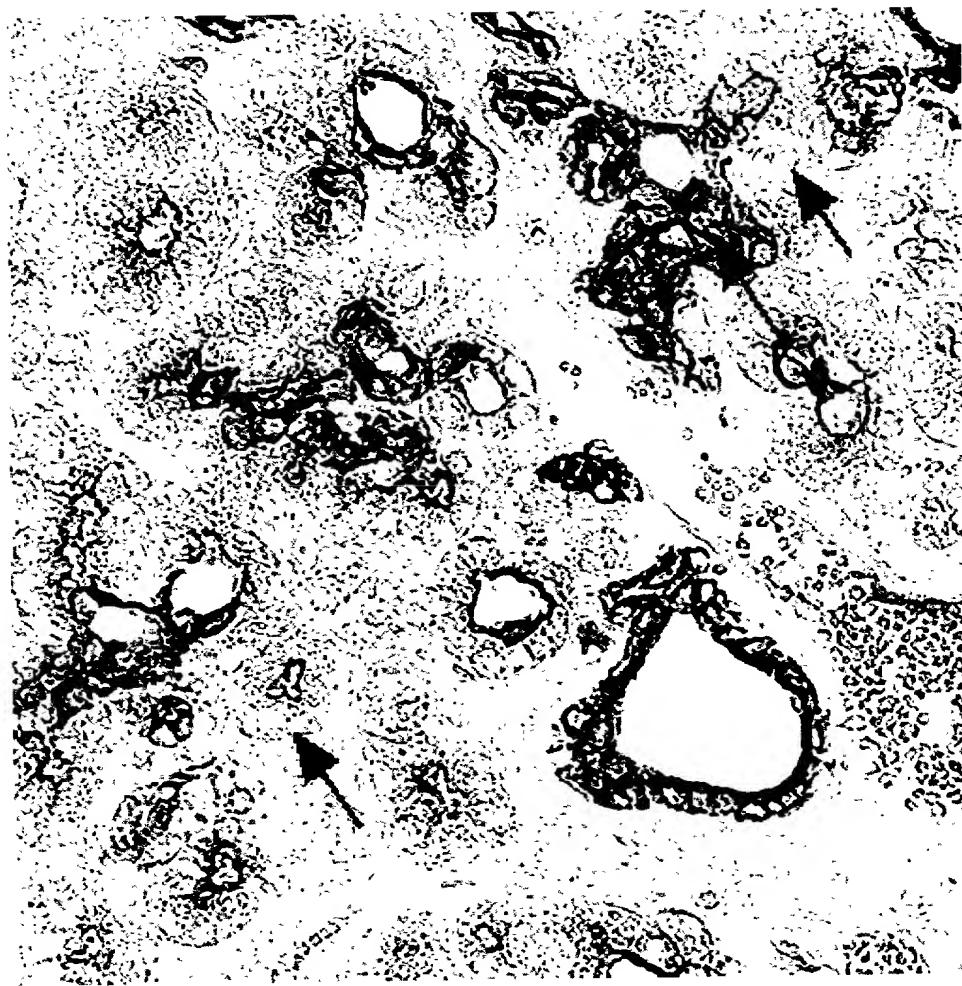
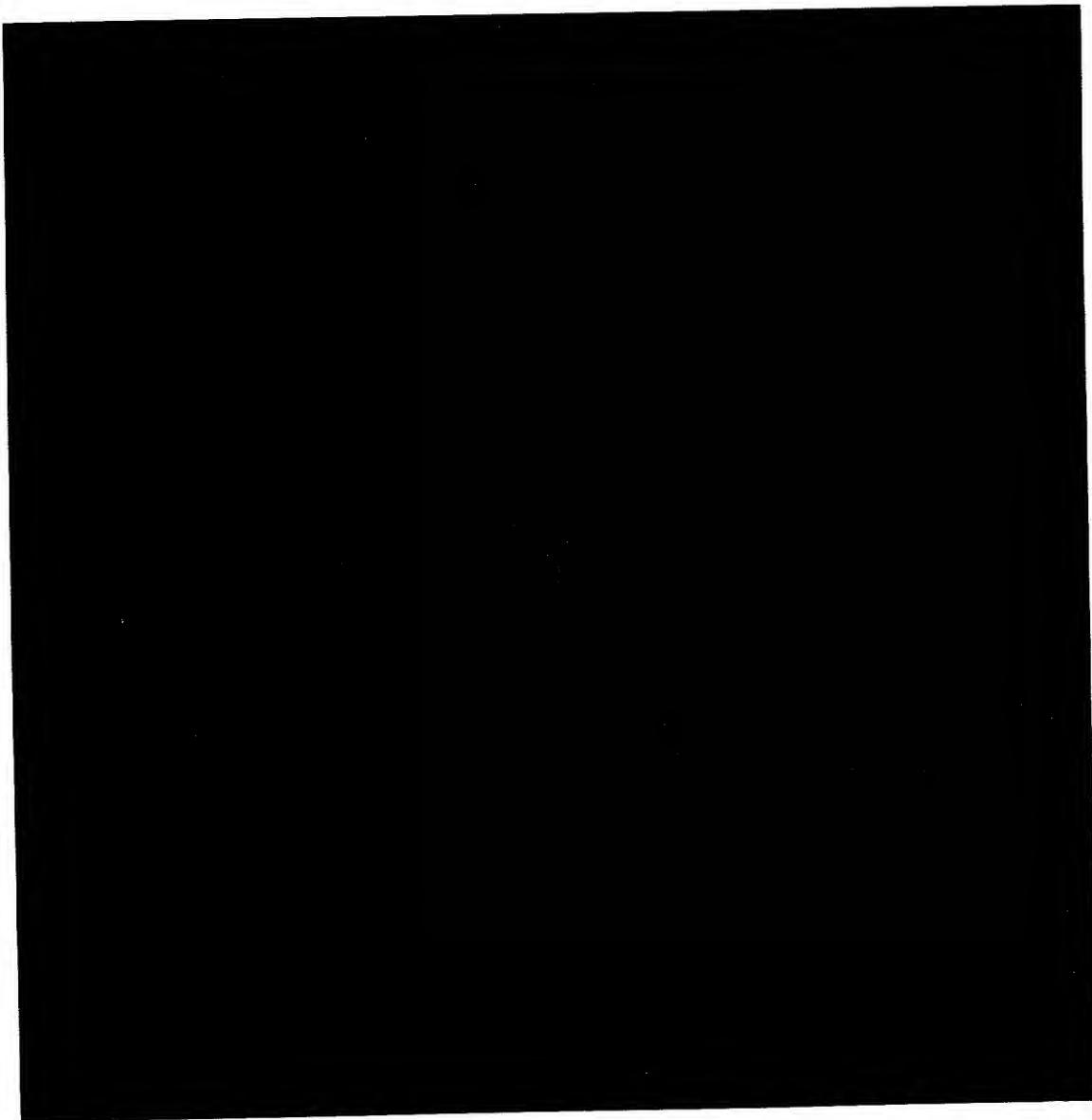


FIG. 2B

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**FIG. 3**

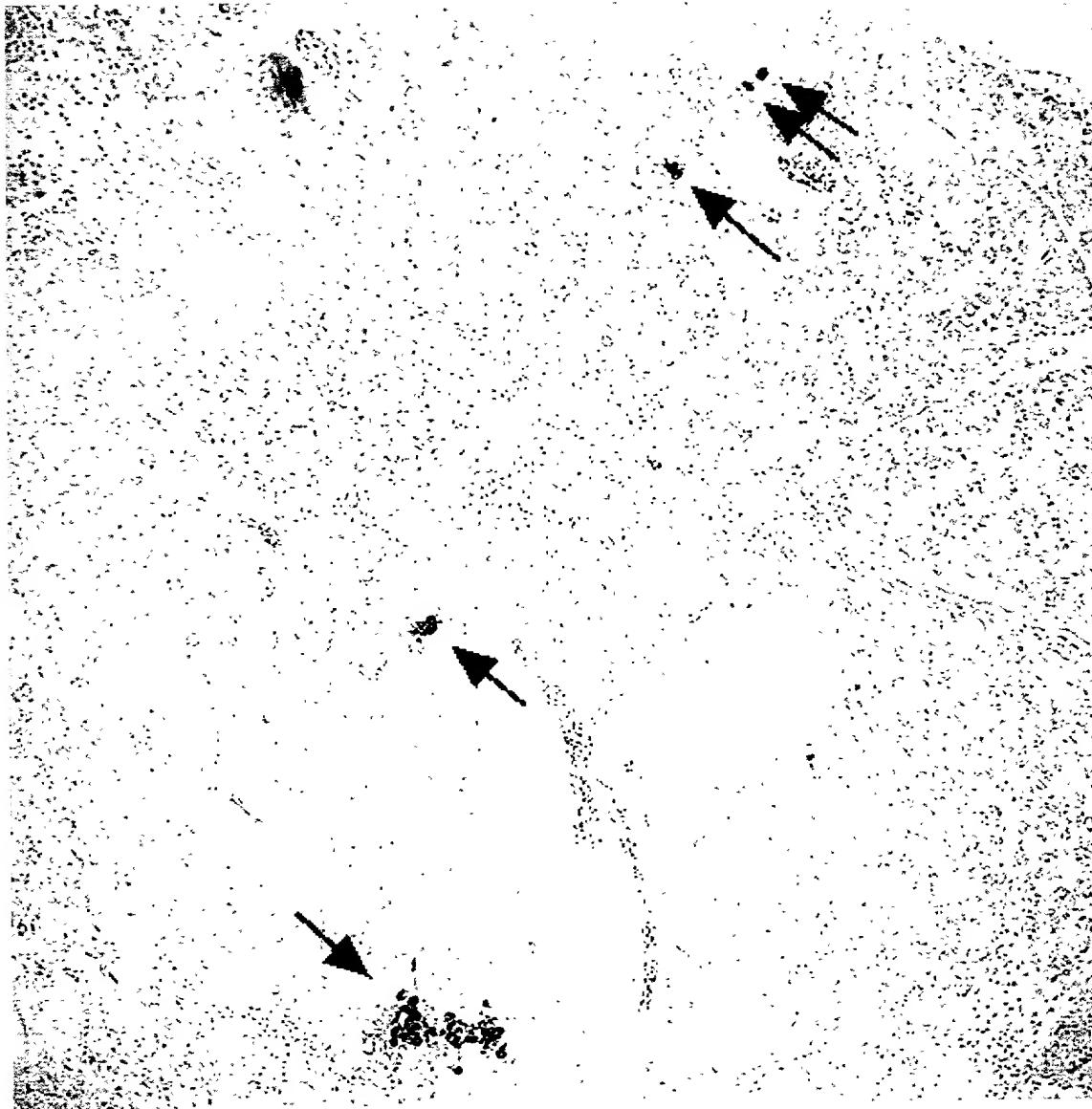
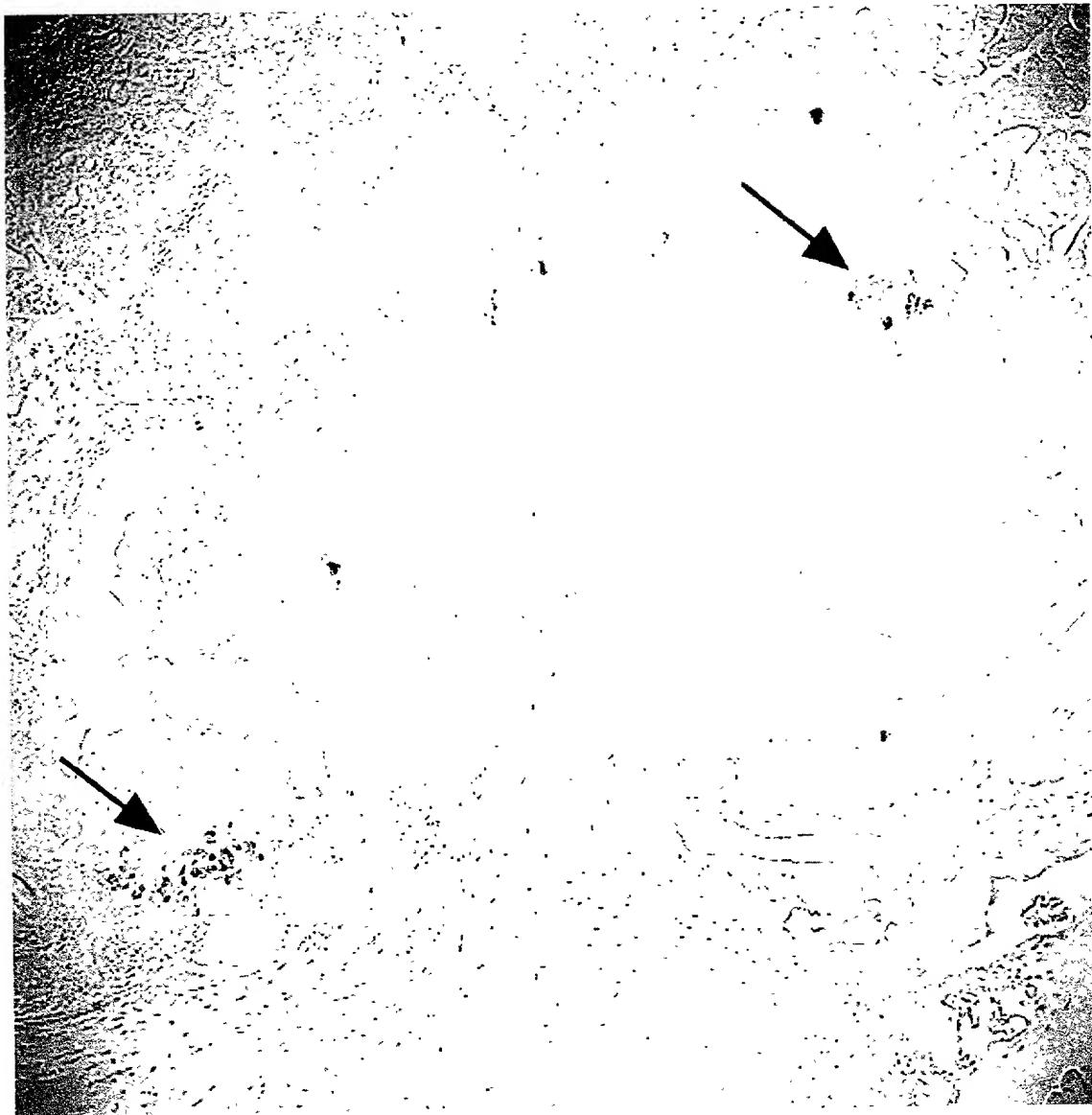


FIG. 4A



**FIG. 4B**

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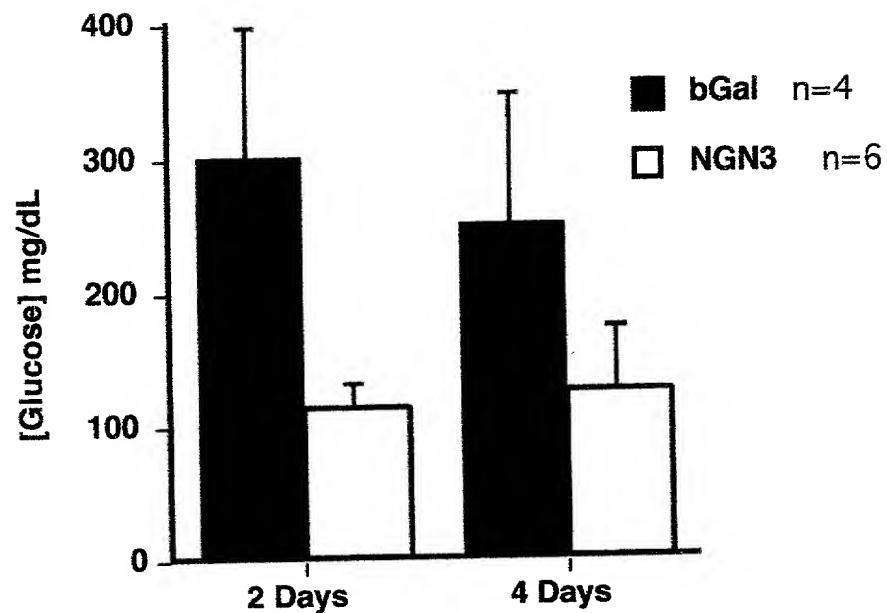
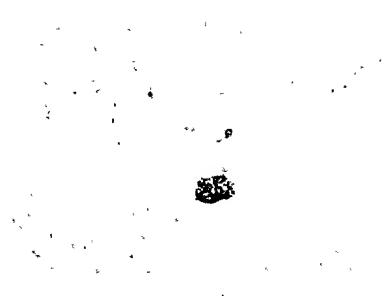


FIG. 5

**FIG. 6A**

**WT**



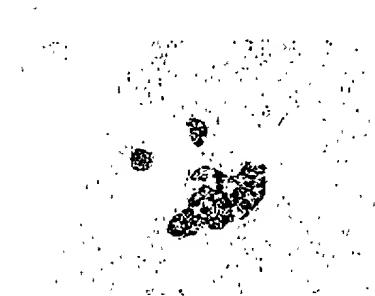
**FIG. 6B**

**pdx1-  
ngn3**



**FIG. 6C**

**pdx1-  
neuroD1**

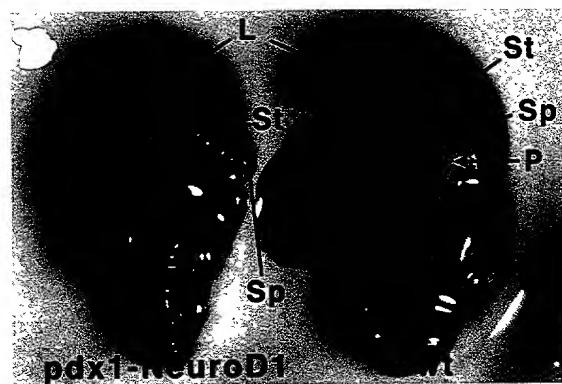


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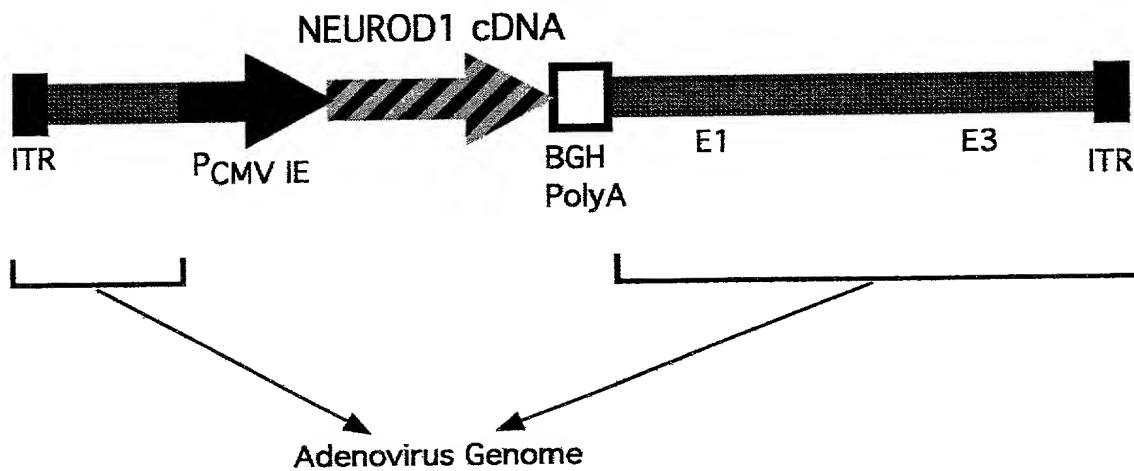
FIG. 7A



FIG. 7B



## Adeno-NEUROD1



## Adeno-mash1/ASCL1/ASH1

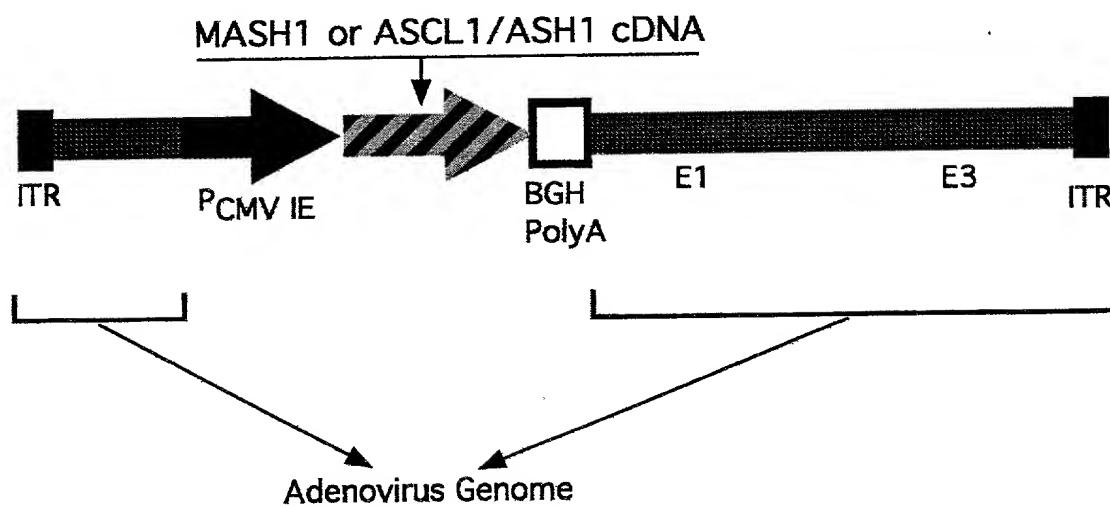


FIG. 8

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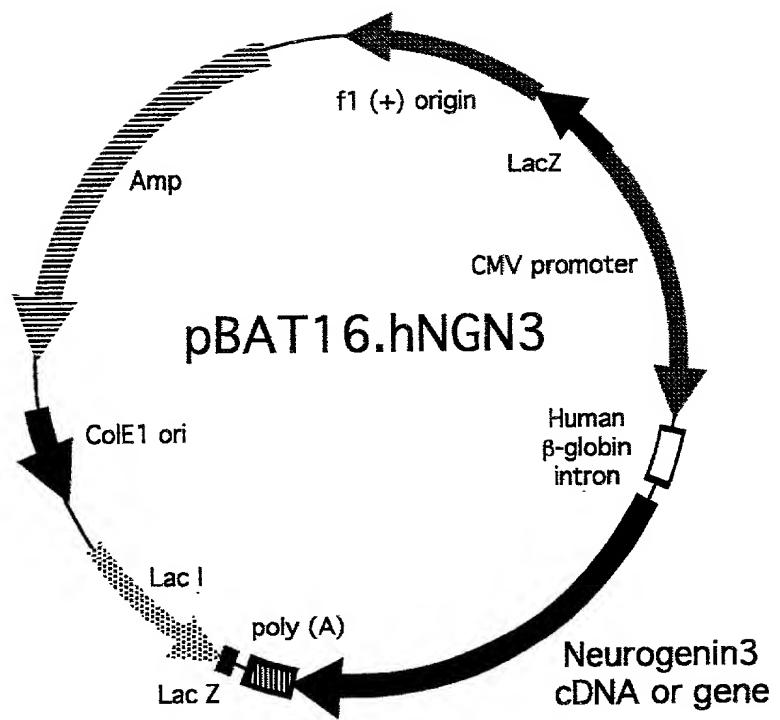


FIG. 9

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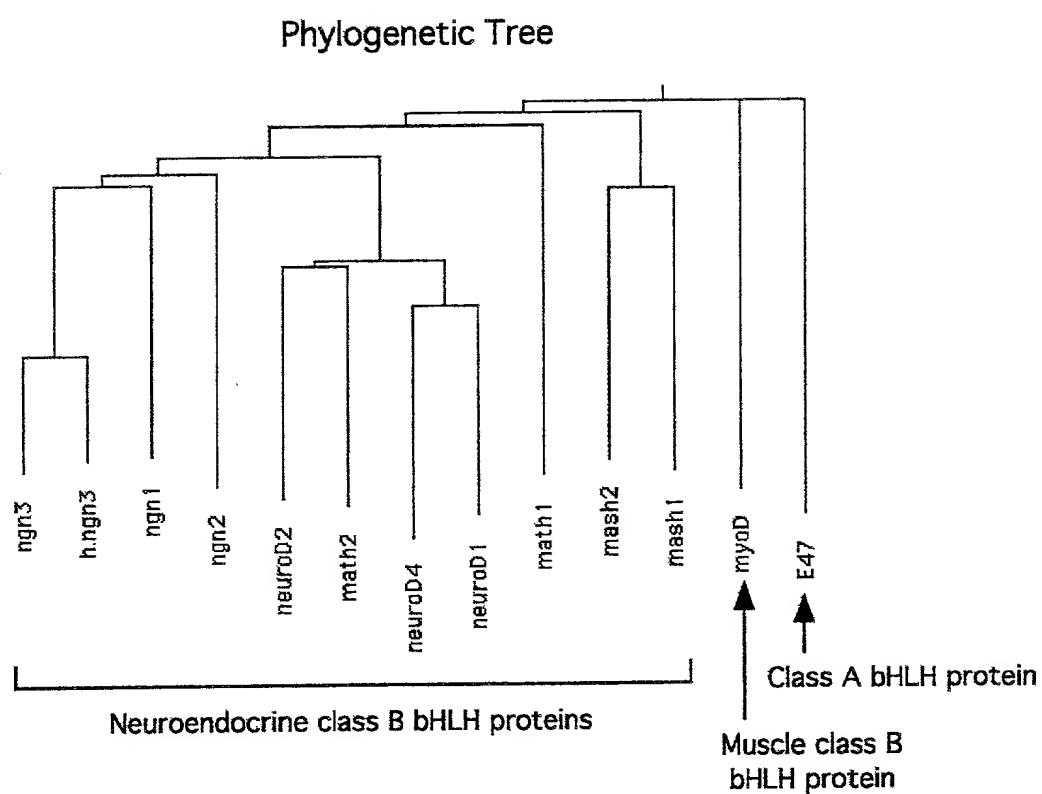


FIG. 10

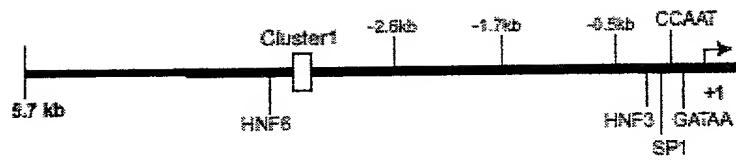


FIG. 11A

-3728 bp  
CTTGTAAATTATTATTAAACGAAATCTATTTATTATTAT  
HNF1 HNF6  
HNF6

TTTACCAAAACACTGGCAGNCAGCTGGGCTTTCTTTT  
HNF3 E-box - 3653 bp

FIG. 11B  
SEQ ID NO:19

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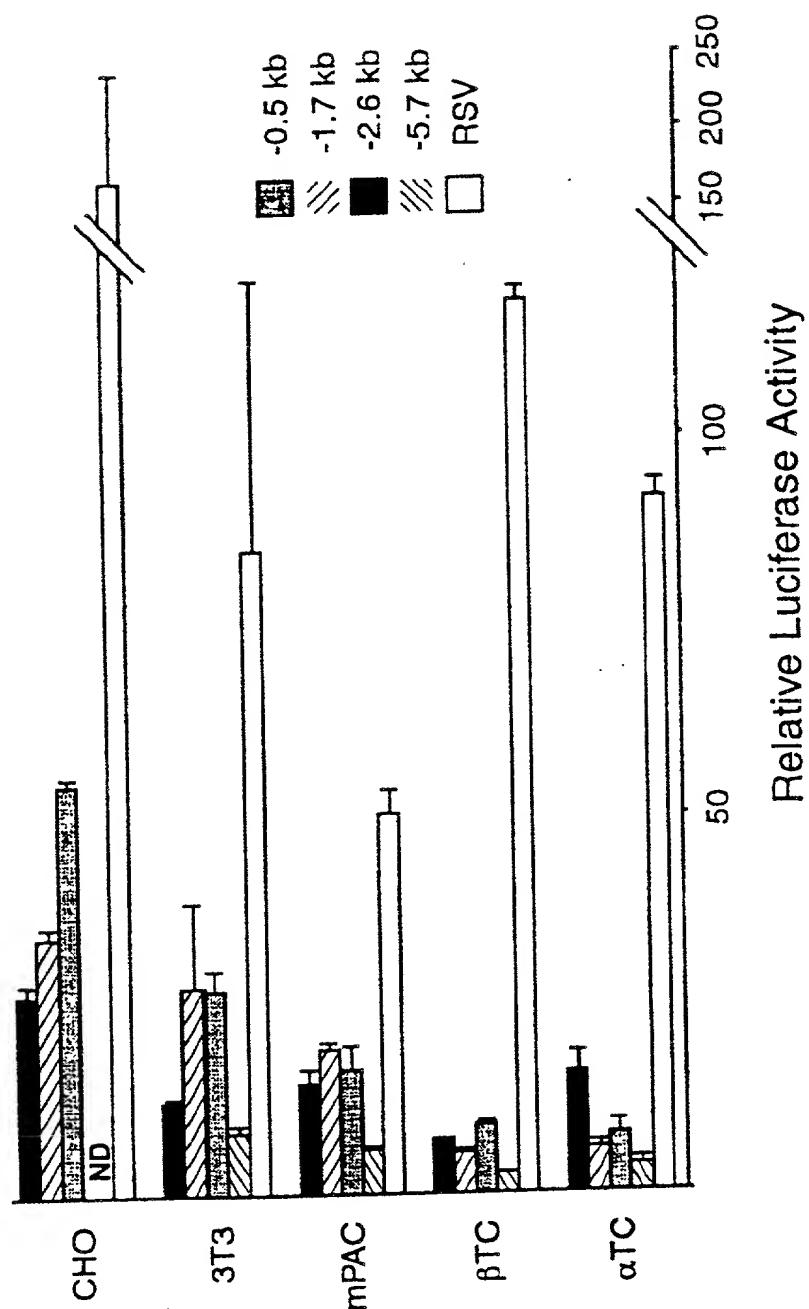
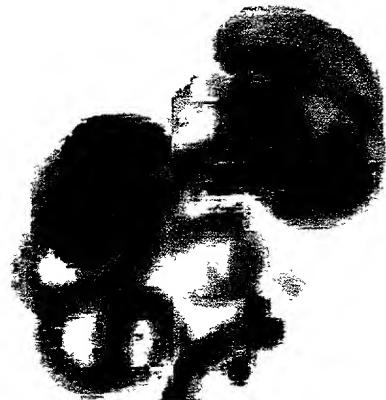
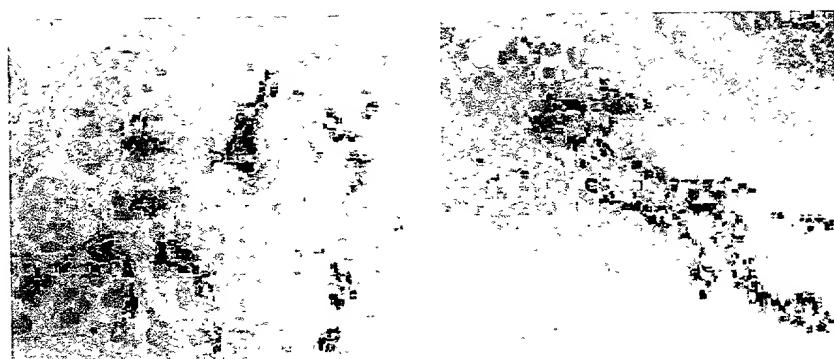


FIG. 12



**5.7 kb promoter**

**FIG. 13A**

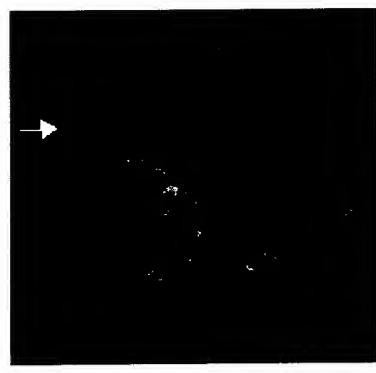


**5.7 kb promoter**

**FIG. 13B**

**glucagon/βGal 2.6 kb promoter**

**FIG. 13C**



insulin/glucagon/βGal

FIG. 14A



neurogenin3/βGal

FIG. 14B

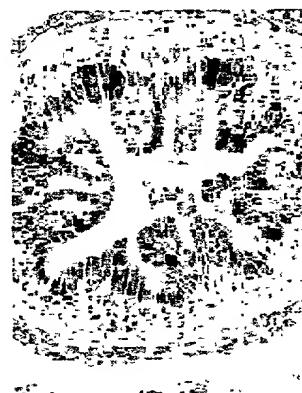
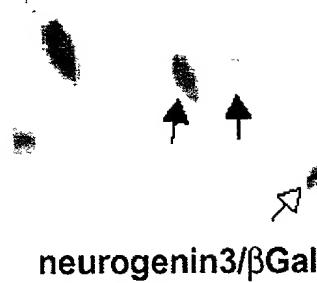


FIG. 15A



FIG. 15B



neurogenin3/βGal

FIG. 15C

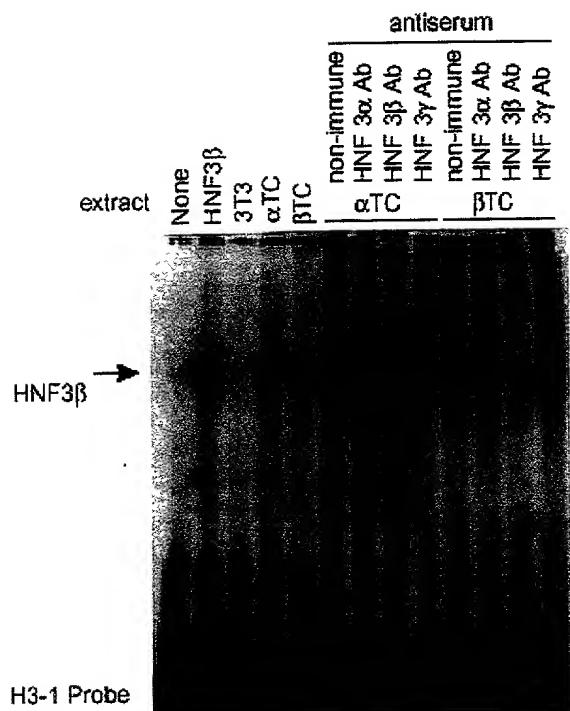


FIG. 16A

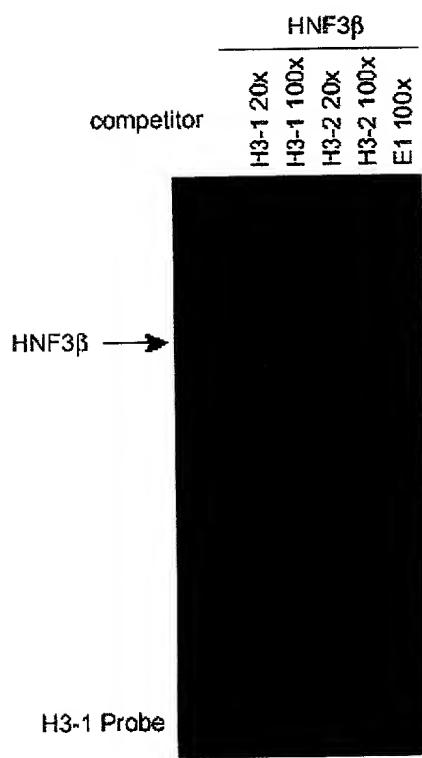


FIG. 16B

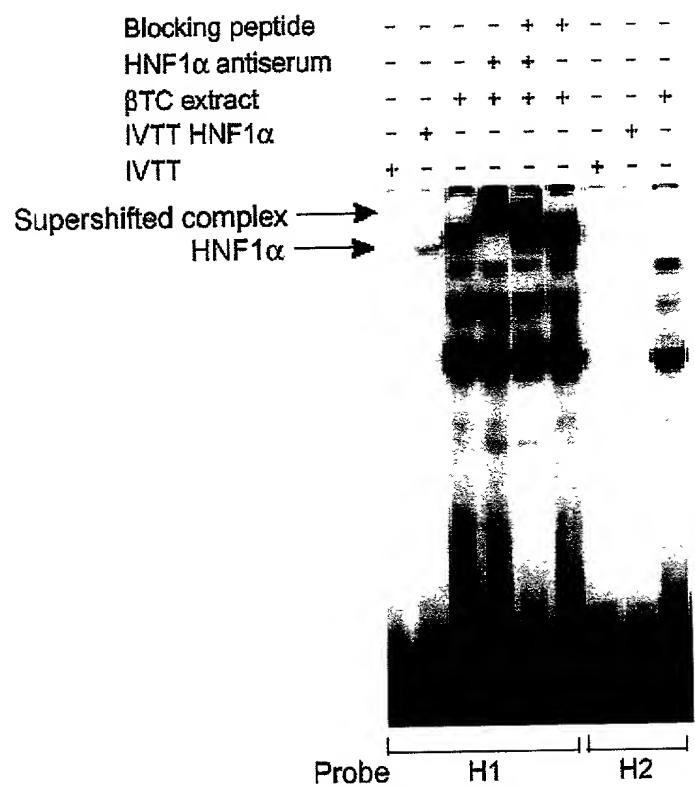


FIG. 17

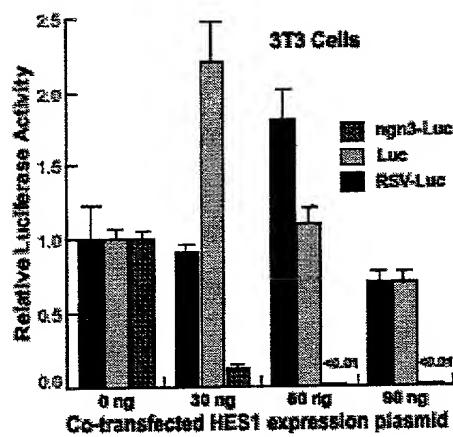


FIG. 18A

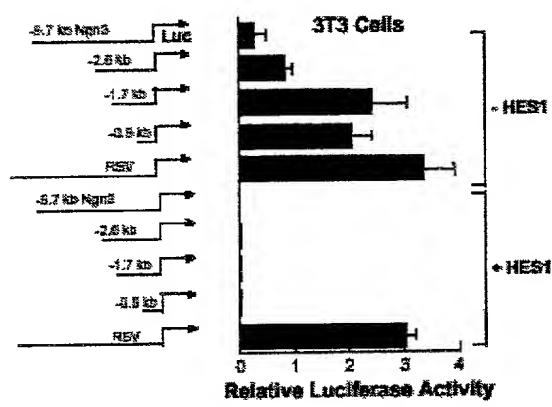


FIG. 18B

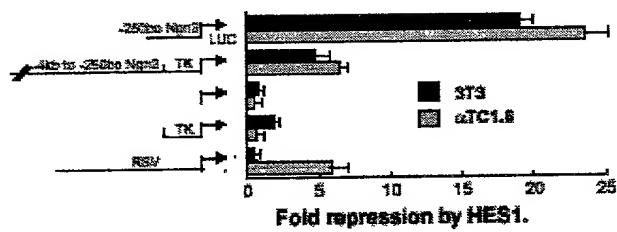


FIG. 18C

Proximal Promoter

-124 bp

```

CGGGCTCCCGTGGGGCCCCAGGGCCCCGCGCTGATTGGCCGGTGGC
N1
GCGGGCAGGCAGCCGGGAGGACAGCTCTGGCCCCGGCGAAGCAGATAA
```

N2

```

AGCGTGCCAGGGCACACGACTTGCT
N3 N4 +1 bp
  
```

TATAA Box

FIG. 19A

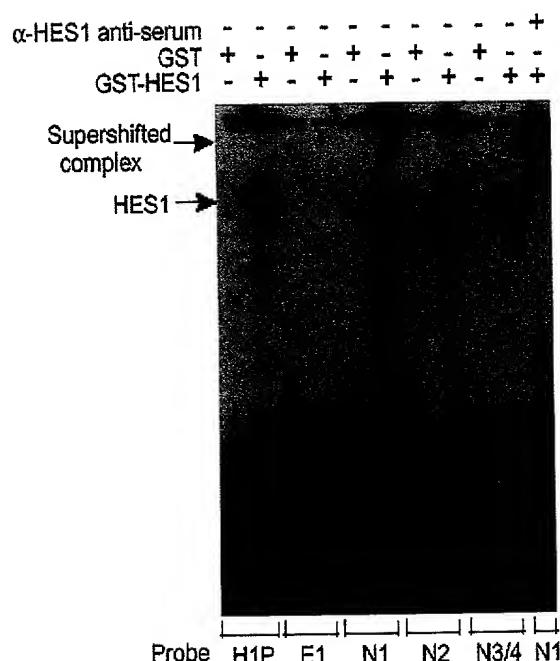


FIG. 19B

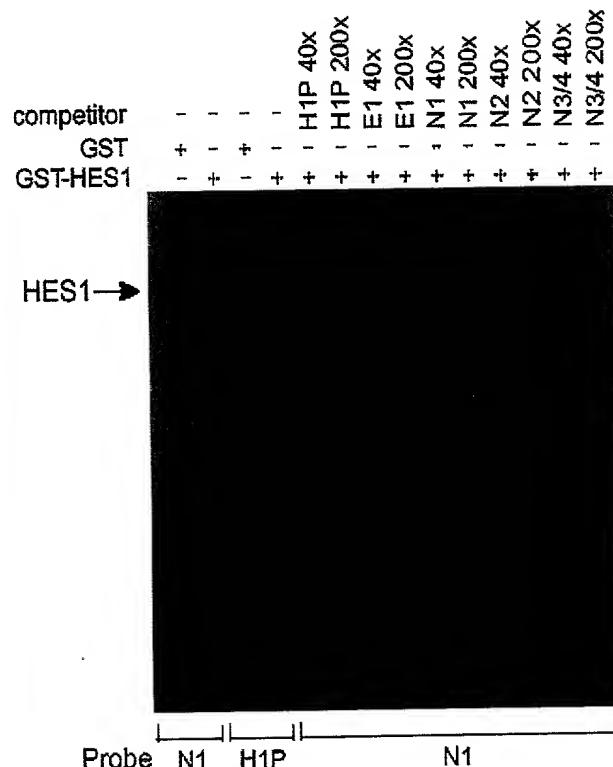


FIG. 19C